SINCE 1911

WETSEL SEED™

SEED REFERENCE GUIDE

ANNUALS

Growing Annuals from seed

Annual plants are those that complete their life cycle within a single growing season, typically from seed to flower to seed again. They germinate, grow, flower, set seed, and die within a year. This short lifespan makes them well-suited for environments with a short growing season or those where conditions are harsh and unpredictable. Examples of annual plants include marigolds, petunias, zinnias, and many vegetables like tomatoes and lettuce. They often provide vibrant bursts of color in gardens and are favored for their ability to quickly fill in spaces and provide seasonal interest.

Flowers (Annual)

The perfect flowers start with Wetsel

Seed	Seed Variety	Germination in Days	Planting Depth (in)	Seed Spacing	Thinning Height	Space After Thinning	Light Needs	MaxPlant Ht.	Bloom Size (in)
Ageratum	Blue Mink	5-15	1/8	1-2	2	8-12	FS	6-12in	1-2
Alyssum	Carpet of Snow	15-20	1/8	1	1-2	6-8	FS to PS	3-6in	1/2
Alyssum	Royal Carpet	15-20	1/8	1	1/2-1	6-8	FS to PS	3-6in	1/2
Aster	Crego Mixed	7-10	1/4	1	2	10-15	FS	18-24in	2-3
Aster	Powderpuff	7-10	1/4	1	2	10-15	FS	12-36in	2-3
Bachelor's Button		7-14	1/4	2	1-2	6-12	FS	12-36in	1-2
Balsam	Camelia Mixed	7-14	1/8	1	2-3	12-15	FS	18-30in	2-3
Bells of Ireland		15-35	1/4	4	2-4	12-18	FS	24-36in	2
Bluebells	California	5-10	1/4	6-8	2-4	8-12	FS	8-24 in	1
Bluebonnet	Texas	20-25	1/8	6-8	2	8-12	FS	12-24in	2-3
Calendula	Pacific Beauty Mix	10-20	1/4	2	2	6-18	FS	18-24in	2-3
Candytuft	Dwarf Fairy Mix	10-20	1/4	1	1-2	8-10	FS	8-12in	1/2
Canterbury Bells	Mixed Colors	14-21	1/8	1	3	15-18	FS to PS	18-36in	2-3
Clarkia	Mixed Colors	5-10	1/16	6	2-3	8-10	FS to PS	18-24in	1-2
Cleome	Rose Queen	10-20	1/4	1-2	2-4	6-12	FS	4-6ft	3-4
Columbine	Mix	21-28	1/16	3/4	2-3	12-24	FS	12-36in	1-2
Cosmos	Bright Light	7-21	1/4	1-2	3-4	12-18	FS	36-60in	2-3
Cosmos	Early Sensation Mix	7-21	1/4	1-2	3-4	12-18	FS	32-72in	2-3
Dahlia	Unwin's Mix	5-15	1/4	1	2	15	FS	16-24in	4-6
Daisy	African Auran Mix	10-30	1/8	1	2	12	FS to PS	12-18in	2-3
Dusty Miller	Silverdust	10-20	1/8	8-10	2	9-12	FS to PS	12-24in	minor
Four O'Clock	Marvel of Peru Mix	7-14	1/2	1	2	12-18	FS to PS	24-36in	1-2
Foxglove		15-20	1/16	1	2	12-18	FS to PS	36-48in	2-4
Helichrysum	Tall Double Mix	7-10	1/8	2	2-3	12-18	FS to PS	24-36in	2-3
Lacy Phacelia		7-14	1/4	2	2-3	12	FS	12-36in	1/4
Larkspur	Giant Imperial Blue Spire	14-21	1/8	1	4	10	FS	3-5ft	1-2
Larkspur	Giant Mixed	14-21	1/8	1	4	10	FS	3-5ft	1-2
Lobelia	Crystal Palace	14-21	1/8	1	2	4-6	FS to PS	4-6in	1-2
Lobelia	White Lady	14-21	1/8	1	2	4-6	FS to PS	4-6in	1-2
Marigold	Crackerjack Mix	5-10	1/4	1	2	6-8	FS	24-36in	2-3
Marigold	Dwarf French	5-10	1/4	1	2	6-8	FS	6-10in	1-2
Marigold	Lemon Drop	5-10	1/4	1	2	6-8	FS	9-12in	1-2
Marigold	Petite Mix	5-10	1/4	1	2	6-8	FS	6-10in	1-2
Marigold	Petite Yellow	5-10	1/4	1	2	6-8	FS	6-8in	1-2
Moonflower	White	7-14	1/2	2-3	2	8-12	FS	8-12ft	3-6
Morning Glory	Flying Saucers	7-21	1/2	2-3	2-4	6-8	FS	10-15ft	3-4
Morning Glory	Grandpa Ott	7-21	1/2	2-3	2-4	6-8	FS	10-15ft	2-3
Morning Glory	Heavenly Blue	7-21	1/2	2-3	2-4	6-8	FS	8-12ft	3-4
Morning Glory	Scarlet Ohara	7-21	1/2	2-3	2-4	6-8	FS	8-10ft	2-3
Myosotis	Forget-Me-Not	7-14	1/16	2-4	2-3	8-12	FS to PS	5-15in	1/4
Nasturtium	Jewel Mix	7-14	1/2	2	2	6-12	FS to PS	8-15in	2-3
Nemophila	Baby Blue Eyes	7-21	1/8	4	1	6	FS to PS	4-8in	1-2
Petunia	Blue Frost	5-15	1/4	1/2	2-3	8-12	FS	12-15in	2-3

Flowers (Annual)

The perfect flowers start with Wetsel

Seed	Seed Variety	Germination in Days	Planting Depth (in)	Seed Spacing	Thinning Height	Space After Thinning	Light Needs	MaxPlant Ht.	Bloom Size (in)
Petunia	Supercascade Pink	5-15	1/4	1/2	2-3	8-12	FS	10-15in	2-3
Petunia	Supercascade Red	5-15	1/4	1/2	2-3	8-12	FS	10-15in	2-3
Petunia	Supercascade White	5-15	1/4	1/2	2-3	8-12	FS	10-15in	2-3
Phlox	Drummond Mixed	10-20	1/8	1	2	6	FS	12-18in	1-2
Poppy	California Orange	10-20	1/16	6-8	1	8-10	FS	12-18in	2-3
Poppy	Iceland	10-20	1/16	6	1	6-12	FS	12-24in	2-4
Poppy	Oriental Scarlet	10-20	1/16	6-8	2	12-18	FS	24-48in	2-4
Portulaca	Grandiflora Double Mix	7-14	1/8	1	1	6-8	FS	3-6in	2
Salvia	Blue Bedder	12-15	1/8	1	2	10-12	FS to PS	12-30in	4-8
Salvia	Bonfire	12-15	1/8	1	2	10-12	FS to PS	12-24in	1-2
Salvia	St. John's Fire	12-15	1/8	1	2	10-12	FS to PS	12-24in	7
Snapdragon	Magic Carpet Mix	10-14	1	2	1-2	8-10	FS to PS	15-18in	1-2
Snapdragon	Rocket Mix	10-14	1	2	1-2	8-10	FS to PS	30-36in	2-3
Statice	Mixed	7-14	1	2	2	8-10	FS	12-24in	1/2
Stock	Giant Imperial Mix	10-14	1/8	1	2	8-10	FS to PS	12-24in	2-3
Strawflower	Semi-Dwarf Bouquet Mix	7-21	1/16	6-8	2-4	12-18	FS to PS	10-24in	1-2
Sunflower	Autumn Beauty	7-14	1	4-6	2-4	18-24	FS	5-8ft	4-6
Sunflower	Big Smile	7-14	1	6	2-4	12-18	FS	12-15in	3-4
Sunflower	Black Oil	7-10	1	8-12	4-6	12-18	FS	5-6ft	4-8
Sunflower	Incredible Dwarf	7-14	1/2	6	2-4	12-18	FS	2-3ft	8-10
Sunflower	Indian Blanket	7-14	1/2	6	2-4	18-24	FS	4-6ft	2-3
Sunflower	Lemon Queen	7-14	1	4-6	2-4	18-24	FS	5-8ft	4-6
Sunflower	Mardi Gras Blend	7-14	1/2	6	2-4	18-24	FS	2-3ft	3-4
Sunflower	Mexican	7-14	1/2	6	2-4	18-24	FS	4-6ft	2-3
Sunflower	Red Sun	7-14	1	6	2-4	18-24	FS	5-8ft	3-4
Sunflower	Russian Mammoth	7-14	1	6	2-4	18-24	FS	10-12ft	8-12
Sunflower	Sungold Dwarf	7-14	1/2	4-6	2-4	12-18	FS	2-3ft	2-3
Sunflower	Sunny Sunflowers Mix	7-14	1/2	3-6	2-4	6-12	FS	25-72in	3-4
Sunflower	Sunspot Dwarf	10-14	1/2	6	2-4	18-24	FS	5-6ft	2-3
Sunflower	Velvet Queen	10-14	1	2-3	2-3	6-8	FS	6-8ft	4-6
Sweet Peas	Knee High Mix	10-20	1	2	2-3	8-10	FS	12-16in	1-2
Sweet Peas	Late Spencer Mixed	10-20	1	2	2-3	8-10	FS	4-6ft	2-3
Sweet Peas	Old Spice Mix	10-14	1	2	2-3	8-10	FS	5-6ft	2-3
Sweet Peas	Royal Scarlet	10-20	1	2	2-3	8-10	FS	6-7ft	2-3
Sweet Peas	Supersnoop Mixed	10-20	1	1	2-3	6-8	FS	24-30in	1-2
Sweet William**	Tall Double Mix	10-20	1/4	1	2-3	12-18	FS	12-24in	3-4
Wildflowers*	California Mix	7-21	1/8	Scatter	2-3	5-10	FS	6-48in	Mixed
Wildflowers*	Honey Bee Mix	7-21	1/8	Scatter	2-4	12-18	FS	3ft	Mixed
Wildflowers*	Midwest Mix	7-21	1/4	Scatter	2-3	5-10	FS	6-48in	Mixed
Wildflowers*	Mountain Mix	7-21	1/4	Scatter	2-3	5-10	FS	6-48in	Mixed
Wildflowers*	North America Mix	7-21	1/4	Scatter	2-4	6-12	FS	36in	Mixed
Wildflowers*	Southwest Mix	7-21	1/4	Scatter	2-3	5-10	FS	6-48in	Mixed
Zinnia	Cactus Flower Mix	5-10	1/4	1-2	2-4	10-12	FS	30-36in	2-4

Flowers (Annual)

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Seed	Seed Variety	Germination in Days	Planting Depth (in)	Seed Spacing	Thinning Height	Space After Thinning	Light Needs	MaxPlant Ht.	Bloom Size (in)
Zinnia	California Giant Mix	7-10	1/4	1-2	2	10-12	FS	30-42in	3-4
Zinnia	Canary Bird	5-10	1/4	1-2	2	10-12	FS	36-42in	2-3
Zinnia	Cherry Queen	7-10	1/4	1-2	2-4	10-12	FS	30-36in	2-3
Zinnia	Cut & Come Again	5-10	1/4	1-2	2	10-12	FS	18-24in	2-3
Zinnia	Envy	5-10	1/4	1-2	2	10-12	FS	36-42in	2-3
Zinnia	Lilliput Mix	5-10	1/4	1-2	2-4	10-12	FS	18-24in	1-2
Zinnia	Luminosa Pink	7-10	1/4	1-2	2-4	10-12	FS	30-36in	2-3
Zinnia	Purity White	7-10	1/4	1-2	2	8-18	FS	36-42in	2-3
Zinnia	Purple Prince	7-10	1/4	1-2	2-4	8-12	FS	30-36in	2-3

* Annual or Perennial depending on zone ** Biennial

PERENNIALS

Growing Perennials from seed

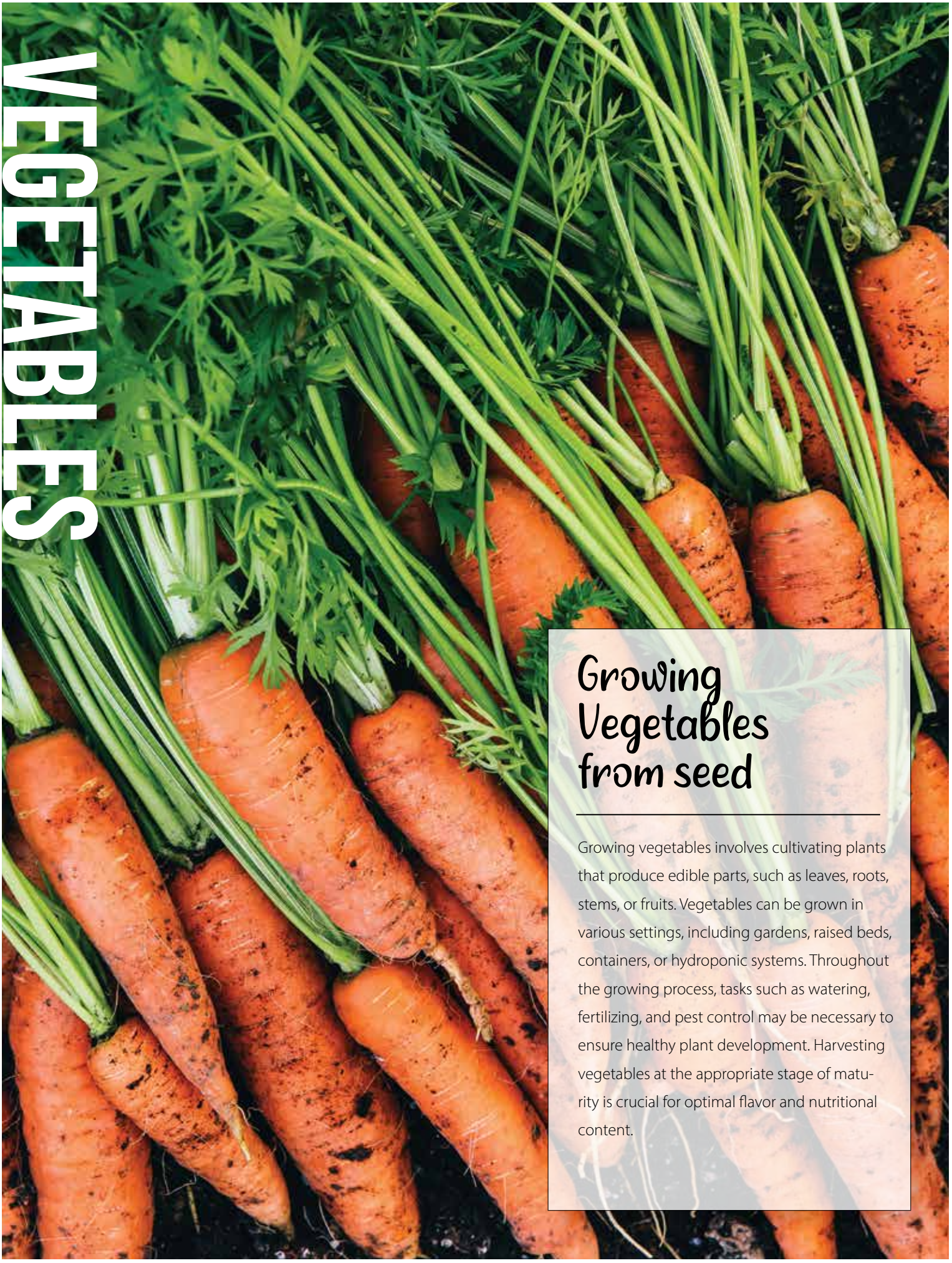
Perennial plants refer to plants that live for more than two years, often returning each spring from their rootstock. Unlike annuals, which complete their life cycle in a single growing season, perennials continue to grow year after year, typically regenerating from the same root system. They can vary greatly in size, shape, and form, from small herbaceous plants to large shrubs and trees. Perennials are valued in gardens for their longevity and ability to provide continuous blooms or foliage throughout the growing season.

Flowers (Perennials)

The perfect flowers start with Wetsel

Seed	Seed Variety	Germination in Days	Planting Depth (in)	Seed Spacing	Thinning Height	Space After Thinning	Light Needs	MaxPlant Ht.	Bloom Size (in)
Alyssum	Saxatile Yellow	15-20	1/8	1	1/2-1	6-8	FS	6-12in	1/2
Black Eyed Susan	Rudbeckia Hirta	10-20	1/8	6-8	2-4	12-18	FS to PS	12-36in	2-3
Black Eyed Susan	Vine Thunbergia Alata	10-20	1/4	6	1-2	8-12	FS to PS	4-8ft	1-2
Carnations	Mixed Colors	14-21	1/8	1	2	12-24	FS	12-18in	2-3
Coneflower	Purple	10-20	1/8	1-3	1	12-36	FS to PS	24-48in	2-4
Coreopsis	Sunburst	14-21	1/8	1	1-2	12-15	FS	18-36in	1-2
Daisy	Gloriosa	10-30	1/8	1	2	18	FS to PS	12-36in	2-3
Daisy	Shasta	10-14	1/8	1	2	18	FS to PS	24-36in	2-3
Evening Primrose		14-28	1/16	1	2	12-18	FS to PS	16-36in	1-2
Gaillardia	Mixed	7-21	1/8	4	1	12-18	FS	12-36in	2-3
Gypsophila	Covent Garden	7-14	1/8	2	2	8-12	FS to PS	18-24in	1/2
Hollyhock	Chaters Mix	14-21	1/4	1	2-3	18	FS	5-7ft	4-6
Hollyhock	Indian Spring	14-21	1/4	1	2-3	18	FS	6-8ft	3-4
Hollyhock	Summer Carnival	14-21	1/4	1	2-3	12-18	FS	4-6ft	3-4
Lupine	Russell's Mixed Colors	14-28	1/4	1	3	12-18	FS to PS	24-48in	4-6
Milkweed	Butterfly	7-14	1/2	2-4	3-4	18-24	FS to PS	24-36in	1/2
Pansy	Swiss Giant Mix	7-21	1/8	1/2	1-2	6-8	FS to PS	6-8in	2-3
Verbena	Mixed Colors	20-30	1/8	1	1-2	10-12	FS	6-12in	1/4
Viola	Johnny Jump Up	15-20	1/8	1	1	6	FS to PS	6in	1-2
Yarrow	Western	10-20	1/4	1	1-2	8-10	FS to PS	6-8in	1/4

VEGETABLES



Growing Vegetables from seed

Growing vegetables involves cultivating plants that produce edible parts, such as leaves, roots, stems, or fruits. Vegetables can be grown in various settings, including gardens, raised beds, containers, or hydroponic systems. Throughout the growing process, tasks such as watering, fertilizing, and pest control may be necessary to ensure healthy plant development. Harvesting vegetables at the appropriate stage of maturity is crucial for optimal flavor and nutritional content.

Vegetables

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Amaranth	Red	7-14	60-90	1/4	3-6	4	12-18	Full Sun	48-120
Perennial	Artichoke	Green Globe	10-20	100-180	1/4	36-48	1-2	24-36	Full Sun	48-72
Perennial	Asparagus	Mary Washington	14-21	3 Yrs	1/2-1	12-18	3-4	24	Full Sun	48-72
Annual	Beans	Blue Lake 274 Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	15-18
Annual	Beans	Blue Lake FM1 Pole	7-10	60-75	1-1/2	3-4	3-4	3-6	Full Sun	60-84
Annual	Beans	Burpee Stringless Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	12-18
Annual	Beans	Contender Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	18-24
Annual	Beans	Kentucky Blue Pole	7-10	60-75	1-1/2	3-4	3-4	3-6	Full Sun	72-96
Annual	Beans	Kentucky Wonder Brown Pole	7-10	60-65	1-1/2	3-4	3-4	3-6	Full Sun	72-96
Annual	Beans	Mountaineer White Half Runner	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	72-120
Annual	Beans	Roma II Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	18-24
Annual	Beans	Royal Burgundy Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	16-20
Annual	Beans	Scarlet Runner	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	72-120
Annual	Beans	Slenderette Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	18-24
Annual	Beans	Taylor Horticultur-al Bush	7-10	55-65	1-1/2	2-3	3-4	3-6	Full Sun	12-18
Annual	Beans	Tenderette Bush	7-10	60-75	1-1/2	2-3	3-4	3-6	Full Sun	18-24
Annual	Beans	Topcrop Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	18-24
Annual	Beans	Topnotch Golden Wax Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	15-18
Annual	Beets	Bull's Blood	7-14	50-60	1/2	1-3	2-3	2-3	Full Sun	8-12
Annual	Beets	Chiogga	7-14	55-60	1/2	1-3	2-3	2-3	Full Sun	6-12
Annual	Beets	Crosby's Egyptian	7-14	55-60	1/2	1-3	2-3	3-4	Full Sun	12-16
Annual	Beets	Cylindra	7-14	55-65	1/2	1-3	2-3	2-3	Full Sun	10-15
Annual	Beets	Detroit Dark Red	5-10	55-60	1/2	1-3	2-3	2-4	Full Sun	12-18
Annual	Beets	Golden Detroit	5-10	55-60	1/2	1-3	2-3	2-3	Full Sun	12-18
Annual	Beets	Lutz	5-10	60-80	1/2	1-3	2-3	2-3	Full Sun	8-12
Annual	Beets	White Detroit	5-10	55-60	1/2	1-3	2-3	2-4	Full Sun	12-18
Annual	Broccoli	Calabrese	7-14	60-90	1/4-1/2	12-18	1-2	18-24	Full Sun	24-30
Annual	Broccoli	Castle Dome	7-14	60-75	1/4-1/2	12-18	1-2	18-24	Full Sun	24-30
Annual	Broccoli	Waltham 29	7-14	60-75	1/4-1/2	12-18	1-2	12-18	Full Sun	18-24
Annual	Brussel Sprouts	Long Island Improved	5-10	85-110	1/4-1/2	18-24	4-6	12-18	Full Sun	18-24
Annual	Cabbage	Early Flat Dutch	7-14	85-90	1/4-1/2	12-18	4-6	18-24	Full Sun	12-20
Annual	Cabbage	Early Jersey Wakefield	7-10	60-75	1/4-1/2	12-18	4-6	12-18	Full Sun	12-18

Vegetables

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Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Cabbage	Early Round Dutch	7-14	70-85	1/4-1/2	12-18	4-6	12-18	Full Sun	12-18
Annual	Cabbage	Charleston Wakefield	5-15	70-85	1/4-1/2	12-18	4-6	18-24	Full Sun	12-18
Annual	Cabbage	Chinese Michihili	7-10	70-85	1/4-1/2	12-18	4-6	4-8	Full Sun	12-18
Annual	Cabbage	Chinese Pak Choi	7-10	45-55	1/4-1/2	12-18	4-6	6-12	Full Sun	12-18
Annual	Cabbage	Chinese Tatsoi	7-10	45-50	1/4-1/2	12-18	4-6	6-12	Full Sun	10-12
Annual	Cabbage	Danish Ballhead	7-14	100-110	1/4-1/2	12-18	4-6	18-24	Full Sun	12-24
Annual	Cabbage	Golden Acre	5-10	60-65	1/4-1/2	12-18	4-6	18-24	Full Sun	12-24
Annual	Cabbage	Late Flat Dutch	5-15	100-110	1/4-1/2	12-18	4-6	12-18	Full Sun	6-12
Annual	Cabbage	Red Acre	7-14	75-80	1/4-1/2	12-18	4-6	12-18	Full Sun	12-18
Annual	Cabbage	Wisconsin All Season	7-10	85-90	1/4-1/2	12-18	4-6	12-18	Full Sun	12-18
Annual	Carrot	Chantenay	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Danver Half Long	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Imperator	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Little Finger	10-20	65-75	1/4	1/2	2-4	2-3	FS	6-12
Annual	Carrot	Rainbow Blend	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Tendersweet	10-20	65-75	1/4	1/2	2-4	2-3	FS	10-18
Annual	Cauliflower	Snow Crown	5-10	50-70	1/2	3-6	2	18-24	Full Sun	15-18

Vegetables (Heirloom)

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Beans	Blue Lake 274 Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	15-18
Annual	Beets	Detroit	5-10	55-70	1/2	1-3	2-3	2-4	Full Sun	12-18
Annual	Cabbage	Golden Acre	5-10	60-65	1/4-1/2	12-18	4-6	18-24	Full Sun	12-24
Annual	Carrot	Danver	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Little Finger	10-20	65-75	1/4	1/2	2-4	2-3	FS	6-12
Annual	Kale	Blue Curled Vates	5-10	50-60	1/4-1/2	4-6	2-4	12-18	Full Sun to Partial Shade	12-18
Annual	Kale	Early Siberian	5-10	50-65	1/4-1/2	4-6	2-4	18-24	Full Sun to Partial Shade	12-18
Annual	Lettuce	Black Seeded Simpson	7-10	40-60	1/4	1	2-4	6-8	Full Sun	6-10
Annual	Lettuce	Buttercrunch	7-14	55-65	1/4	1	2-4	10-12	Full Sun	8-12
Annual	Limas	Fordhook 242 Bush	7-10	65-75	1-1/2	2-3	1-2	4-6	Full Sun	18-24
Annual	Okra	Clemson Spineless	7-14	55-65	3/4	10-12	2-4	12-18	Full Sun	48-60
Annual	Peas	Dwarf Grey Sugar	7-14	55-70	3/4-1	2-3	2	2-4	Full Sun	18-24
Annual	Peppers	California Wonder	10-20	70-80	1/4	1-2	3-4	18-24	Full Sun	18-24

Vegetables (Hybrid)

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Beets	Red Ace Hybrid	5-10	50-55	1/2	1-3	2-3	2-4	Full Sun	12-18
Annual	Broccoli	Green Magic Hybrid	7-14	60-75	1/4-1/2	12-18	1-2	12-18	Full Sun	18-24
Annual	Broccoli	Gypsy Hybrid	7-14	60-75	1/4-1/2	8-12	1-2	12-18	Full Sun	18-24
Annual	Brussel Sprouts	Jade Cross Hybrid	7-10	95-110	1/4-1/2	18-24	4-6	12-18	Full Sun	24-30
Annual	Cabbage	Savoy Ace Hybrid	6-10	75-80	1/4-1/2	12-18	4-6	18-24	Full Sun	12-24
Annual	Cabbage	Stonehead Hybrid	6-10	65-70	1/4-1/2	12-18	4-6	18-24	Full Sun	12-20
Annual	Corn	Ambrosia Hybrid	5-10	75	1.5-2	6-8	3-4	12-18	Full Sun	78
Annual	Corn	Early Sunglow Sweet Corn Hybrid	6-10	62	1.5-2	8-12	3-4	12-18	Full Sun	54
Annual	Corn	Illini Extra Sweet Corn Hybrid	7-10	85	1.5-2	8-12	3-4	12-18	Full Sun	84

Vegetables (Hybrid)

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Corn	Kandy Korn Sweet Corn Hybrid	10-14	89	1.5-2	8-12	3-4	12-18	Full Sun	96
Annual	Peppers	Big Bertha Hybrid	10-20	70-80	1/4	2	3-4	18-24	Full Sun	18-24
Annual	Peppers	Super Chili Hybrid	10-20	75-85	1/4	2	3-4	12-18	Full Sun	18-24
Annual	Popcorn	Perdue 410 Hybrid	5-10	95-105	1-1/2	4-6	3-5	8-12	Full Sun	72-96
Annual	Spinach	Early Hybrid #7	8-10	35-45	1/2	2-3	2-3	6-12	Full Sun to Partial Shade	6-8
Annual	Tomato	Beefmaster Hybrid	7-14	80-85	1/4-1/2	24-36	3-4	24-36	Full Sun	48-72
Annual	Tomato	Big Beef Hybrid	7-10	70-75	1/4-1/2	24-36	3-4	24-36	Full Sun	60-96
Annual	Tomato	Big Boy Hybrid	7-10	78-80	1/4-1/2	24-36	3-4	24-36	Full Sun	48-72
Annual	Tomato	Celebrity Hybrid	5-10	70-75	1/4-1/2	24-36	3-4	24-36	Full Sun	36-60
Annual	Tomato	Early Girl Hybrid	7-10	50-62	1/4-1/2	24-36	3-4	24-36	Full Sun	36-60
Annual	Tomato	Lemon Boy Hybrid	5-10	72-78	1/4-1/2	24-36	3-4	24-36	Full Sun	48-72

Vegetables (Organic)

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Beans	Blue Lake 274 Bush	7-10	50-60	1-1/2	2-3	3-4	3-6	Full Sun	15-18
Annual	Beets	Detroit Dark Red	5-10	55-60	1/2	1-3	2-3	2-4	Full Sun	12-18
Annual	Broccoli	Calabrese	7-14	60-90	1/4-1/2	12-18	1-2	18-24	Full Sun	24-30
Annual	Cabbage	Golden Acre	5-10	60-65	1/4-1/2	12-18	4-6	18-24	Full Sun	12-24
Annual	Cabbage	Red Acre	7-14	75-80	1/4-1/2	12-18	4-6	12-18	Full Sun	12-18
Annual	Carrot	Danver	10-20	65-75	1/4	1/2	2-4	2-3	FS	12-18
Annual	Carrot	Little Finger	10-20	65-75	1/4	1/2	2-4	2-3	FS	6-12
Annual	Endive	Broadleaved Batavian	5-15	60-90	1/4-1/2	6-10	2-3	6-12	Full Sun to Partial Shade	12-16
Annual	Kale	Red Russian	5-10	50-65	1/4-1/2	4-6	2-4	18-24	Full Sun to Partial Shade	24-36
Annual	Lettuce	Bibb	3-10	45-60	1/4	1	2-4	6-10	Full Sun	8-12

Vegetables (Organic)

The perfect vegetables start with Wetsel

Basic Seed Information			Planting Specs							
Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht (in)
Annual	Lettuce	Black Seeded Simpson	7-10	40-60	1/4	1	2-4	6-8	Full Sun	6-10
Annual	Peas	Oregon Sugar Pod II	7-14	55-65	1-2	2-3	2	2-4	Full Sun	24-30
Annual	Peppers	California Wonder	10-20	70-80	1/4	1-2	3-4	18-24	Full Sun	24-30
Annual	Peppers	Jalapeno	10-20	60-75	1/4	1-2	3-4	12-18	Full Sun	24-30
Annual	Radish	Cherry Belle	3-10	20-30	1/2	1	2	2-4	Full Sun	4-6
Annual	Radish	Sparkler White Tip	5-8	20-30	1/2	1	2	2-4	Full Sun	4-6
Annual	Radish	White Icicle	5-8	20-30	1/2	1	2	2-4	Full Sun	8-12
Annual	Spinach	Bloomsdale Long Standing	8-10	45-50	1/2	2-3	2-3	4-8	Full Sun to Partial Shade	8-12
Annual	Swiss Chard	Fordhook	7-14	50-60	1/2	2-4	1/2	8-12	Full Sun to Partial Shade	18-24

HERBS

Growing Herbs from seed

Growing herbs involves cultivating various plants for culinary, medicinal, or aromatic purposes. Herbs can be grown in outdoor gardens, raised beds, containers, or even indoors on windowsills. Key steps include selecting the right herbs for your needs and environment, providing adequate sunlight, water, and well-draining soil, and regularly pruning to encourage healthy growth. With proper care, herbs can thrive and provide fresh flavors and aromas for cooking, as well as potential health benefits.

Herbs

The perfect herbs start with Wetsel

Life Cycle	Seed	Seed Variety	Germination in Days	Days to Maturity	Planting Depth (in)	Seed Spacing (in)	Spacing Btw Rows (in)	Thinning Height (in)	Space After Thinning (in)	Light Needs	Max Plant Ht
Annual	Amaranth	Red	7-14	60-90	1/4	6	12-18	4	12-18	FS	4-10ft
Annual	Anise		7-14	120	1/4	1-2	12	3-4	18-24	FS	12-24in
Annual	Arugula	Rocket	7-10	40-60	1/4	3-6	16	3	6-8	FS	6-12in
Annual	Arugula	Rocket	7-10	40-60	1/4	3-6	16	3	6-8	FS	6-12in
Annual	Basil	Large Leaf Italian	5-10	75-85	1/4-1/2	1-2	12-18	2	6-12	FS	18-24in
Annual	Basil	Lemon	5-10	65-70	1/4-1/2	1-2	12-18	2	12-18	FS	24-36in
Annual	Basil	Purple Ruffles	5-10	65-70	1/4-1/2	1-2	12-24	2	12-18	FS	18-24in
Annual	Basil	Sweet	5-10	65-70	1/4-1/2	1-2	12-18	2	6-12	FS	24-36in
Annual	Basil	Thai	5-10	65-70	1/4-1/2	3-4	12-18	2	6-12	FS	12-18in
Annual	Borage		7-14	50-60	1/4	3-6	18-24	1-2	10-12	FS-PS	12-24in
Annual	Chamomile		7-14	60-90	1/4	2	18	1-2	8-10	FS	18-24in
Annual	Coriander	Cilantro	7-10	40-60	1/4	2-3	15	2-3	8	FS-PS	12-18in
Annual	Coriander	Cilantro	7-10	60-75	1/4	2-3	15	2-3	8	FS-PS	24-36in
Annual	Cress	Upland	7-14	40-60	1/4	2-3	8-10	2-3	4-6	FS-PS	12-18in
Annual	Dill	Long Island Mammoth	10-20	65-70	1/4	4-8	18-36	2	12-18	FS	3-5ft
Annual	Dill	Long Island Mammoth	10-20	65-70	1/4	4-8	12-18	2	12-18	FS	3-5ft
Annual	Dill	Long Island Mammoth	10-20	65-70	1/4	1	24	2	12-18	FS	3-5ft
Annual	Summer Savory		7-14	60-70	1/8	6-8	16-18	3-4	8-10	FS	12-18in
Biennial	Caraway		7-14	70-90	1/4	8	18-24	4	12-18	FS-PS	24-36in
Biennial	Parsley	Moss Curled	14-28	70-90	1/8	1	10-16	1	6-12	FS	8-12in
Perennial	Catnip		7-14	75-80	1/8	3-6	18-24	2	12-18	FS	24-36in
Perennial	Chives	Common	7-14	80-90	1/4	1	6-12	2	6-10	FS-PS	12-18in
Perennial	Chives	Garlic	7-14	80-90	1/4	4-6	8-12	2	6-10	FS-PS	12-18in
Perennial	Fennel	Sweet	7-14	70-90	1/4	4-6	24-36	2	12	FS	3-5ft
Perennial	Lavender	English True	14-28	2-3 Yrs	1/8	2-4	36-48	1	18-24	FS	12-24in
Perennial	Marjoram	Sweet	7-21	70-90	1/8	2-3	16-18	3-4	6-8	FS	18-30in
Perennial	Oregano	Vulgare	7-14	80-90	1/8	Scatter	18-24	2	12-15	FS	12-24in
Perennial	Peppermint	Mint	10-20	70-90	1/4	4-8	12-18	2	18-24	FS-PS	12-36in
Perennial	Rosemary		14-21	80-100	1/8	Scatter	12-18	2	18-24	FS	3-5ft
Perennial	Sage		7-21	75-90	1/8	4-8	12-18	2	18-24	FS	12-48in
Perennial	Sorrel		7-14	50-60	1/4	2-3	18-24	3-4	8-12	FS-PS	12-36in
Perennial	Tarragon		7-14	70-90	1/8	4-8	18-24	2	18-24	FS	12-24in
Perennial	Thyme		14-21	70-90	1/4	Scatter	12-18	3-4	12-24	FS	6-12in

MICROGREENS

Growing Microgreens from seed

Microgreens are young vegetable greens that are harvested at an early stage, typically when they are about 1-3 inches tall. They are more nutrient-dense than their mature counterparts and come in a variety of flavors and colors. They are easy to grow indoors and are popular for their intense flavor, nutritional value, and decorative appeal in culinary dishes.

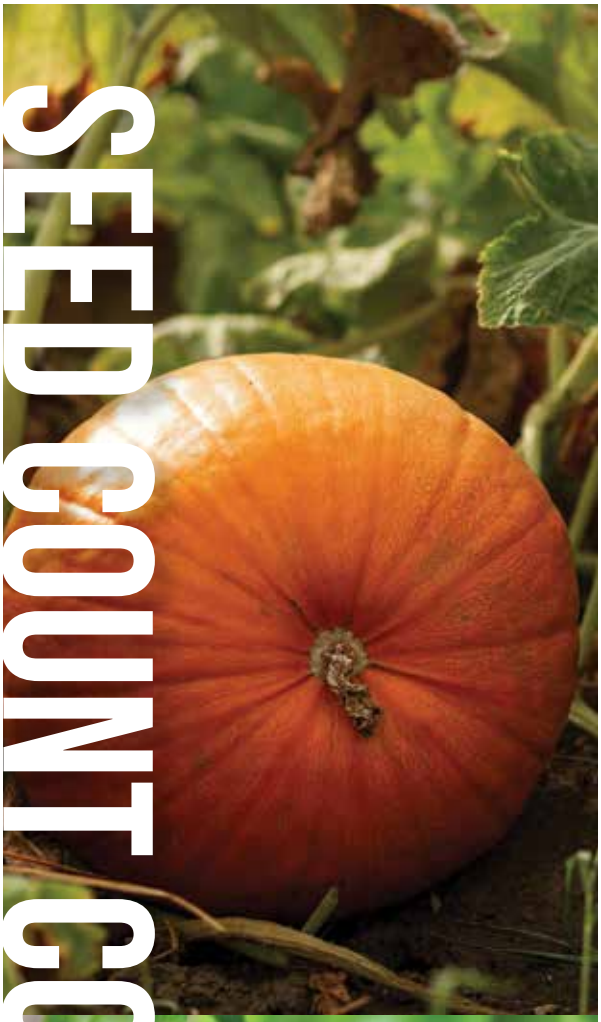
Microgreens

The perfect microgreens start with Wetsel

Seed	Seed Variety	Germination Time	Days to Maturity	Planting Depth (in)	Seed Spacing	Light Needed for Germination	Soil/ Air Temp.	Flavor
Arugula		7-10 Days	12-15 Days	1/4	Broadcast	Not Needed	60-65°F	Peppery and slightly nutty
Basil	Large Leaf Italian	5-10 Days	15-20 Days	1/4	Broadcast	Not Needed	65-75°F	Sweet and aromatic
Basil	Thai	5-10 Days	18-22 Days	1/4	Broadcast	Not Needed	70-85°F	Distinct, spicy, and slightly sweet
Beets	Bull's Blood	5-7 Days	10-15 Days	1/2	Broadcast	Not Needed	75-85°F	Earthy and sweet, mild beet flavor
Beets	Early Wonder Green Top	5-10 Days	15-25 Days	1/2	Broadcast	Not Needed	60-75°F	Mild, earthy, and slightly sweet
Beets	Red Ace Hybrid	5-7 Days	13-16 Days	1/2	Broadcast	Not Needed	75-85°F	Sweet and earthy with a mild beet flavor
Cabbage	Chinese Pak Choi	2-3 Days	8-12	1/4	Broadcast	Not Needed	75-85°F	Mild and slightly sweet with a hint of cabbage flavor
Cabbage	Chinese Tatsoi	2-4 Days	7-14	1/4	Broadcast	Not Needed	65-75°F	Tender and mild with a hint of mustard flavor
Cabbage	Red Acre	3-5 Days	14-17 Days	1/2	Broadcast	Not Needed	78-88°F	Mild cabbage flavor with a touch of sweetness
Coriander	Cilantro	5-7 Days	10-20 Days	1/2	Broadcast	Not Needed	65-75°F	Fresh, citrusy, and slightly peppery
Cress	Upland	4-8 Days	11-14 Days	1/4	Broadcast	Not Needed	55-75°F	Peppery and tangy with a crisp texture
Dill	Dukat	4-6 Days	18-22 Days	1/4	Broadcast	Not Needed	65-75°F	Fresh, sweet, and aromatic
Kale	Red Russian	4-8 Days	11-14 Days	1/4	Broadcast	Not Needed	55-85°F	Mild and slightly sweet
Kale	Vates Blue Curled Scotch	2-3 Days	12-15 Days	1/4	Broadcast	Not Needed	78-88°F	Mild and slightly sweet with a hint of kale flavor
Kohlrabi	Purple Vienna	5-10 Days	8-12	1/4	Broadcast	Not Needed	50-75°F	Mild and slightly nutty with a crisp texture
Mizuna		3-4 Days	5-15	1/4	Broadcast	Not Needed	60-75°F	Mild, peppery, and slightly spicy
Mustard	Red Giant	3-4 Days	13-16 Days	1/4	Broadcast	Not Needed	60-75°F	Peppery and slightly spicy with a mustard kick
Radish	Daikon	2-3 Days	10-15 Days	1/4	Broadcast	Not Needed	75-85°F	Sharp and spicy radish flavor
Spinach	Baby Tribute	5-7 Days	12-13 Days	1/4	Broadcast	Not Needed	55-70°F	Mild and slightly sweet spinach flavor
Sunflower	Black Oil	4-8 Days	7-10	1/4	Broadcast	Not Needed	65-80°F	Nutty and crunchy with a mild sunflower seed flavor
Swiss Chard	Ruby Red	4-6 Days	16-19 Days	1/2	Broadcast	Not Needed	75-85°F	Mild and slightly earthy with colorful stems
Turnip	White Lady Hybrid	3-4 Days	15-18 Days	1/4	Broadcast	Not Needed	70-75°F	Mild and sweet with a hint of turnip flavor

Approx. Seed Count Per Unit			
Species	**Pound**	**Ounce**	**Gram**
Ageratum	3,200,000	200,000	7,055
Alyssum, Annual	1,120,000	70,000	2,469
Alyssum, Perennial	480,000	30,000	1,058
Aquilegia	352,000	22,000	776
Asters	176,000	11,000	388
Balsam	48,000	3,000	106
Begonias, Fibrous	32,000,000	2,000,000	70,547
Begonias, Tuberous	32,000,000	2,000,000	70,547
Bells of Ireland	67,200	4,200	148
Browallia	1,840,000	115,000	4,056
Calendula	48,000	3,000	106
California Poppy	312,000	19,500	688
Campanula	3,200,000	200,000	7,055
Candytuft, Annual	152,000	9,500	335
Chrysanthemums	720,000	45,000	1,587
Columbine	320,000	20,000	705
Coreopsis	200,000	12,500	441
Cornflower	88,000	5,500	194
Cosmos	44,800	2,800	99
Dahlia	44,800	2,800	99
Daisy, Gloriosa	904,000	56,500	1,993
Daisy, Livingston	1,568,000	98,000	3,457
Daisy, Pyrethrum	192,000	12,000	423
Daisy, Shasta	352,000	22,000	776
Delphinium	128,000	8,000	282
Dusty Miller (Silverdust)	240,000	15,000	529
Foxglove	1,440,000	90,000	3,175
Gaillardia	134,400	8,400	296
Geranium	96,000	6,000	212
Gypsophila, Annual	368,000	23,000	811
Gypsophila, Perennial	400,000	25,000	882
Hollyhock	48,000	3,000	106
Impatiens	640,000	40,000	1,411
Kale, Flowering	144,000	9,000	317
Larkspur	136,000	8,500	300
Lisianthus Russellianus	9,968,000	623,000	21,975
Lobelia	11,200,000	700,000	24,691
Lupine, Russell's	16,000	1,000	35
Marigolds	136,000	8,500	300
Myosotis	672,000	42,000	1,481
Nasturtiums	3,200	200	7
Nicotiana	4,800,000	300,000	10,582
Nierembergia	2,720,000	170,000	5,996
Pansy	320,000	20,000	705
Petunias	4,560,000	285,000	10,053
Phlox	224,000	14,000	494

Approx. Seed Count Per Unit			
Species	**Pound**	**Ounce**	**Gram**
Poppy, Annual	288,000	18,000	635
Poppy, Perennial	2,400,000	150,000	5,291
Portulaca	3,200,000	200,000	7,055
Primula	520,000	32,500	1,146
Purple Coneflower, Echinacea	118,400	7,400	261
Rudbeckia	720,000	45,000	1,587
Salvia	120,000	7,500	265
Snapdragon	2,880,000	180,000	6,349
Statice	171,200	10,700	377
Stock	272,000	17,000	600
Strawflower	636,800	39,800	1,404
Sunflower	6,880	430	15
Sweet William, Dianthus	448,000	28,000	988
Sweetpea	5,280	330	12
Thunbergia	19,200	1,200	42
Verbena	179,200	11,200	395
Vinca	336,000	21,000	741
Viola	400,000	25,000	882
Zinnias	62,400	3,900	138



SEED COUNT CONVERSIONS

Vegetables, Herbs & Microgreens

Approx. Seed Count Per Unit			
Species	**Pound**	**Ounce**	**Gram**
Artichoke	10,000	625	22
Asparagus	14,880	930	33
Bean, Bush	1,600	100	4
Bean, Pole	1,600	100	4
Beets	28,000	1,750	62
Broccoli	108,800	6,800	240
Brussels Sprouts	124,800	7,800	275
Cabbage	89,600	5,600	198
Cabbage, Chinese	180,000	11,250	397
Carrots	280,000	17,500	617
Cauliflower	100,000	6,250	220
Celery	1,000,000	62,500	2,205
Cucumber	14,880	930	33
Eggplant	108,800	6,800	240
Gourds	2,000	125	4
Kale	136,000	8,500	300
Kohlrabi	144,000	9,000	317
Leek	160,000	10,000	353
Lettuce	400,000	25,000	882
Melons (Muskmelon Cantaloupe)	16,000	1,000	35
Mustard	268,800	16,800	593
Okra	8,000	500	18
Onion	144,000	9,000	317
Parsley	280,000	17,500	617
Peas	2,080	130	5
Peppers	60,000	3,750	132
Pumpkin	3,200	200	7
Radish	48,000	3,000	106
Spinach	40,000	2,500	88
Squash - Summer	3,520	220	8
Squash - Winter	3,200	200	7
Sweet Corn, SH2	3,200	200	7
Sweet Corn, SU/SE	2,240	140	5
Swiss Chard	28,000	1,750	62
Tomato	160,000	10,000	353
Turnip	188,800	11,800	416
Watermelon, Large	5,440	340	12
Watermelon, Small	8,800	550	19
Herb			
Amaranth	560,000	35,000	1,235
Basil	256,000	16,000	564
Collards	134,400	8,400	296
Oregano	4,480,000	280,000	9,877
Parsnip	80,000	5,000	176